

DBT4 Series



INVERTED BUCKET STEAM TRAP with BUILT-IN STRAINER



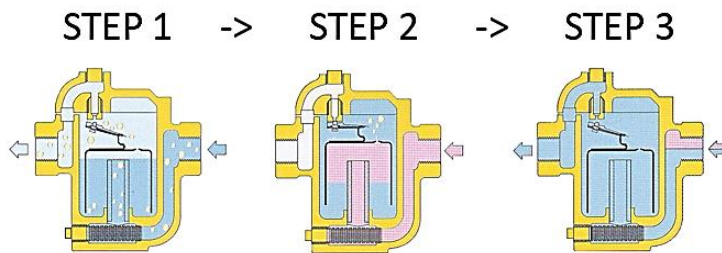
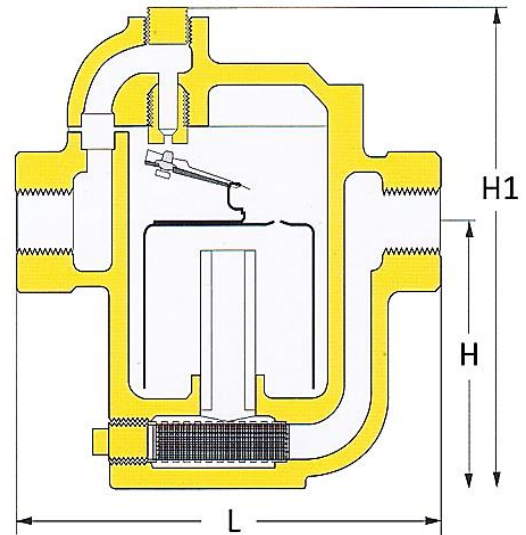
Specifications

- 125 psig @ 430° F Max.
- FNPT Screwed Ends
- Sizes: 1/2", 3/4" and 1"

Features

- 100% Leak & Pressure Tested
- Cast Iron Body
- Stainless Steel Disc and Seat
- Built-In Stainless Steel Strainer

Size	L	H	H1	Weight
1"	5"	4"	6-7/8"	6.5 lbs
3/4"	5"	3-1/8"	5-3/4"	5.5 lbs
1/2"	5"	3-1/8"	5-3/4"	5.4 lbs



Capacity Table		(lb/hr)								
Max. differential pressure (psi)		10	20	30	40	50	60	80	100	120
1/2" ~ 1"	80	290	400	490	570	640	700	800	-	-
	125	220	310	380	440	490	540	630	700	760

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How it works

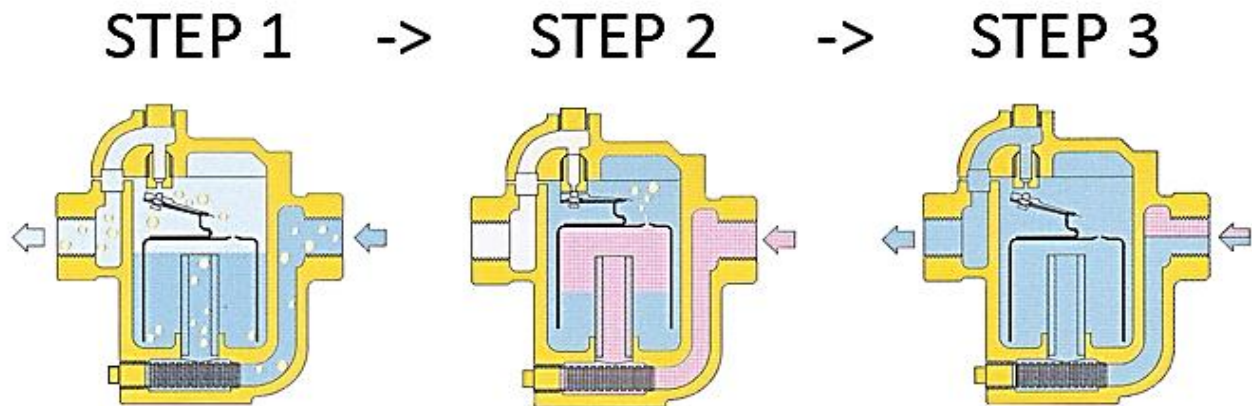
The Inverted Bucket Steam Trap looks something like an upside down bucket inside a chamber that is attached to a mechanical switch.

As condensate reaches the trap, it forms a water seal inside the chamber.

The weight of the bucket keeps the valve off its seat, so the condensate can flow on the bottom of the chamber and out of the trap.

When steam enters the underside of the bucket, the bucket floats up and rises, so that the valve and seat closes shut.

The steam condenses due to heat loss, and some of the steam escapes through the vent hole, making the bucket sink due to its weight, therefore pulling the valve off its seat and the cycle is repeated once again



Installation:

Steam trap must be installed in upright position to function properly.

It is strongly suggested to install a strainer (DUCO DS200) on the inlet, and a swing check valve (DUCO DC400) on the outlet.

Maintenance:

Steam trap can be serviced without removing the steam trap body from the steam line. Remove 6 screws on the top cover to access the internal components. Clean the valve and seat in case there is dirt or obstruction, preventing the valve from closing shut. Open the plug on the bottom of the steam trap to remove/clean the stainless steel strainer.

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